



Data Visualization With Power BI

Vishal Padghan (Great Learning)

Offerings Of This Course

01

BI and Data Visualization

05

Power BI Installation

02

What is Power BI?

06

Power BI DAX

03

Power BI Components

07

Visual Analytics

04

Building Blocks Of Power BI

08

Power BI Visuals/Charts

What Is Business Intelligence?

sapnonil.choudhury48@gmail.com
M5 TS3 KJEH7

What Is Business Intelligence?



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Business Intelligence Features

Better Business
Understanding

Quick navigation

Instant Answers

Decision Making

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Phases Of Business Intelligence

Phases Of Business Intelligence

IT Dependent

Analyst

End User

What Is Data Visualization?

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What Is Data Visualization?

Design

Information Science

Data
Visualization

Communication

William Playfair
(Geometric Charts 1781)

Explored exports from seventeen
countries to Scotland

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Data Visualization Tools

Data Visualization Tools



tableau®

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Power BI

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What Is PowerBI?

What Is PowerBI?

From connection to collaboration, PowerBI is the most powerful, secure and flexible end-to-end analytics platform for your data.

Appt Visualizations

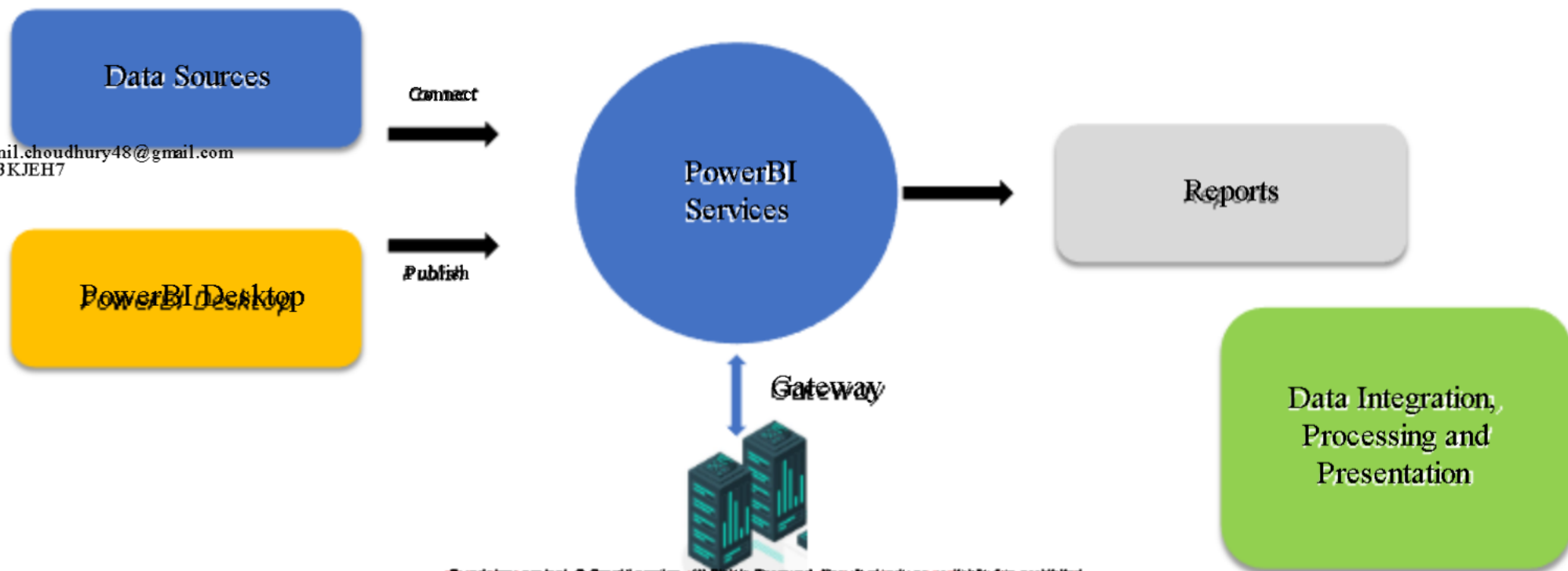
Depth

Automatic Function

Connection To Data



PowerBI Architecture



Components Of PowerBI

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Components Of PowerBI

Power Query

Power View

PowerBI QNA

Power Pivot

Power Map

Building Blocks Of Power BI

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Building Blocks Of Power BI

Visualizations

Dashboards

Datasets

Files

Reports



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PowerBI Reports

PowerBI Reports

It is a multi-perspective view into a particular data set with visualizations that represent different findings and insights from that a set. A report may be a single visualization or pages full of visualizations.

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PowerBI Dashboards

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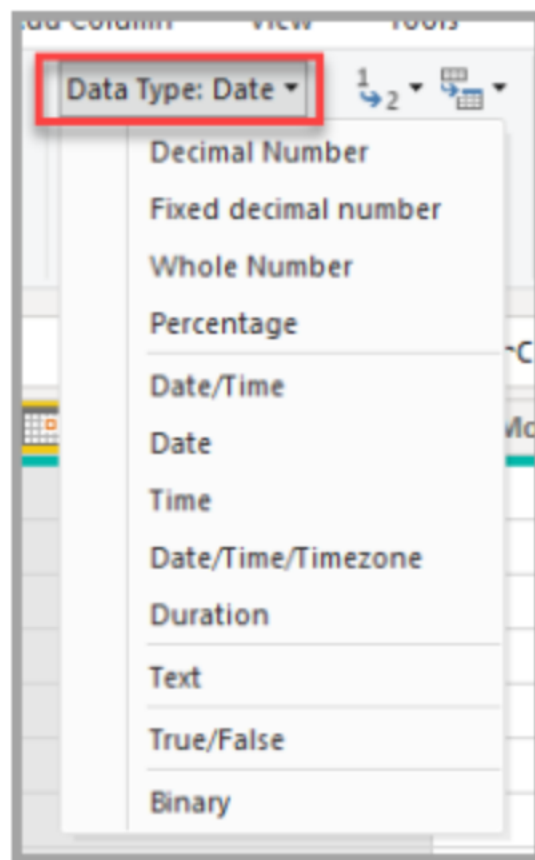
Demo: PowerBI Installation and Interface

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Power BI Data Types

PowerBI Data Types



PowerBI DAXX

sapnonil.choudhury48@gmail.com
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PowerBI DAX

DAX is a collection of functions, operators and constant used in formulas, to return one or more values. It is a native formula and Query language by Microsoft

Functional Query
Language

Deals with
relational data

Performs
Aggregations



PowerBI DAX

Syntax

Context

Function

Measure \equiv Function(Table Name (Column Name))



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Visual Analytics

Popular Cloud Service Providers



Question and Answer Time

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Power BI Visuals Charts

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sapnonil.choudhury48@gmail.com
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Raw Data

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Business Insights

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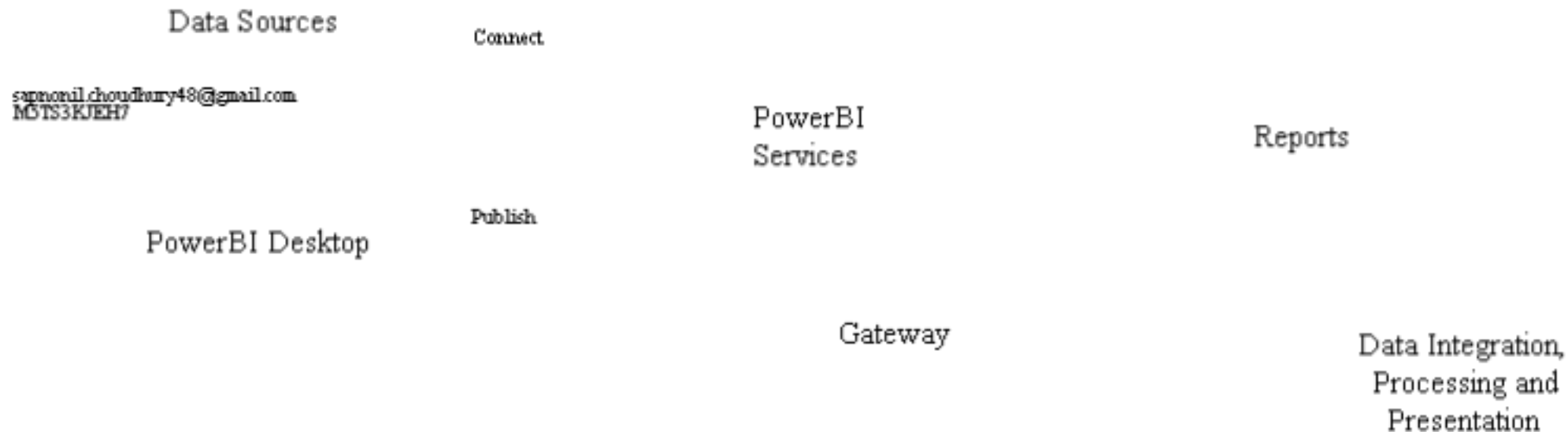
Apt Visualizations

Depth

Automatic Function

Connection To Data

PowerBIArchitecture



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Power Query

Power View

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Building Blocks Of PowerBI

Building Blocks OPowerBI

Visualizations

Dashboards

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Tiles

Reports

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Question and Answer Time

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